

YUASA BATTERY AMERICA INC -- IMPORTER'S YUASA BATTERY (AMERICA), INC --
6140-01-293-7749

===== Product Identification =====

Product ID:IMPORTER'S YUASA BATTERY (AMERICA), INC

MSDS Date:01/02/1991

FSC:6140

NIIN:01-293-7749

MSDS Number: BNMTF

=== Responsible Party ===

Company Name:YUASA BATTERY AMERICA INC

Address:9728 ALBURTIS AVE

City:SANTA FE SPRINGS

State:CA

ZIP:90670

Country:US

Info Phone Num:

213-949-4266 OR 800-423-4667

Emergency Phone Num:213-949-4266 OR 800-423-4667

CAGE:77280

=== Contractor Identification ===

Company Name:ARJAY ELECTRONICS CORP

Address:525 W CHESTER PIKE SUITE 314

Box:City:HAVERTOWN

State:PA

ZIP:19083-4539

Country:US

Phone:215-449-3600

CAGE:64812

Company Name:YUASA-EXIDE INC

Address:2366 BERNVILLE ROAD

Box:14145

City:READING

State:PA

ZIP:19612-4145

Country:US

Phone:610-208-1975

CAGE:77280

===== Composition/Information on Ingredients =====

Ingr

ed Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 32-40%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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===== Hazards Identification =====

LD50 LC50 Mixture:ORAL RAT LD50 NONE STATED
Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:CONTACT TO SENSITIVE SKIN OR PROLONGED CONTACT WITH NORMAL SKIN MAY CAUSE MILD IRRITATION. CONTACT MADE WITH EYES MAY CAUSE CORNEA DAMAGE. NO CHRONIC EFFECTS ARE STATED BY THE MANUFACTURER.
Effects of Overexposure:CONTACT TO SENSITIVE SKIN OR PROLONGED CONTACT WITH NORMAL SKIN MAY CAUSE MILD IRRITATION.
Medical Cond Aggravated by Exposure:IRRITATION, BURNS, ULCERATION.

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===== First Aid Measures =====

First Aid:SKIN: FLUSH AFFECTED AREA WITH LARGE AMOUNTS OF COOL CLEAN WATER.
IF REDNESS OR BLISTERING OCCURS, CONSULT A PHYSICIAN. EYES: FLUSH WITH LARGE AMOUNTS OF COOL WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN. INGESTION: DRINK LARGE AMOUNTS OF WATER. CONSULT A PHYSICIAN.

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===== Fire Fighting Measures =====

Flash Point:NON-COMBUSTIBLE
Extinguishing Media:DRY CHEMICAL, CARBON DIOXIDE, WATER FOG, WATER
Fire Fighting Procedures:SULFURIC ACID FUME, SULFUR DIOXIDE GAS OR CARBON MONOXIDE MAY BE RELEASED WHEN ACID DECOMPOSES. WEAR NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:WATER APPLIED TO SULFURIC ACID GENERATES HEAT AND CAUSES ACID TO SPATTER. SULFURIC ACID REACTS VIOLENTLY WITH METALS, NITRATES, CHLORATES, AND ORGANIC MATERIALS

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===== Accidental Release Measures =====

Spill Release Procedures:CLEAN AREA WITH PLAIN WATER. WASH HANDS AND OTHER SKIN AREAS WITH COOL WATER AND MILD SOAP. DO NOT TOUCH EYES.
Neutralizing Agent:S

ODIUM CARBONATE OR QUICKLIME (CALCIUM OXIDE).

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===== Handling and Storage =====

Handling and Storage Precautions:AVOID DAMAGE TO TERMINALS AND SEALS,
DO NOT DOUBLE-STACK INDUSTRIAL BATTERIES. WEAR APPROPRIATE
PROTECTIVE CLOTHING.

Other Precautions:STORE LEAD/ACID BATTERIES WITH ADEQUATE VENTILATION.
AVOID PROLONGED CONTACT.

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===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE REQUIRED UNDER NORMAL CONDIT
IONS.

Ventilation:GOOD ROOM VENTILATION IS REQUIRED.

Protective Gloves:ACID RESISTANT RUBBER GLOVES

Eye Protection:SAFETY GLASSES WITH SIDE SHIELDS.

Other Protective Equipment:LONG SLEEVED SHIRTS, LONG PANTS, CLOSED
SHOES.

Work Hygienic Practices:FOLLOWING CONTACT, WASH HANDS THOROUGHLY BEFORE
EATING, DRINKING OR SMOKING.

Supplemental Safety and Health

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===== Physical/Chemical Properties =====

HCC:C1

Boiling Pt:=95.C, 203.F

Melt/Freeze Pt:=-70.C, -94.F

Vapor

Pres:10 @ 18F

Vapor Density:>1

Spec Gravity:1.245 TO 1.295

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:SULFURIC ACID ONLY

Appearance and Odor:6.0 VOLT, LEAD ACID ELECTROLYTE STORAGE BATTERY.

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===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

COMBUSTIBLES, AND ORGANIC MATERIALS SUCH AS: CHLORATES, CARBIDES,
FULMINATES, PICRATES, PEROXIDES, NITRATES, CYANIDES.

Stability Condition to Avoid:BREAKING OR CRUSHING T

HE BATTERY CASE.

Hazardous Decomposition Products:SULFUR TRIOXIDE, CARBON MONOXIDE,
SULFURIC ACID FUMES, AND SULFUR DIOXIDE. TOXIC GASES MAY BE
RELEASED BY REACTIONS.

===== Disposal Considerations =====

Waste Disposal Methods:CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER.
NEUTRALIZE THE ELECTROLYTE, COLLECT THE RESIDUE AND PLACE IN A DRUM
OR SUITABLE CONTAINER. DISPOSE OF AS A HAZARDOUS WASTE. DO NOT
FLUSH LEAD CONTAMINATED ACID TO SEWER. DO NOT
INCINERATE.

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